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PTO/SB/05 (05-03)  
Approved for use through 04/30/2003. OMB 0852-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

|  |                        |  |
|--|------------------------|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><br>(Only for new nonprovisional applications under 37 CFR 1.53(b)) | Attorney Docket No.    | RII-003CPUSCN  |
|  | First Inventor         | Andrea D. Branch                                     |
|  | Title                  | NOVEL HEPATITIS C VIRUS PEPTIDES AND<br>USES THEREOF |
|  | Express Mail Label No. | EL 931 676 382 US                                    |

|   |   |
|---|---|
| <b>APPLICATION ELEMENTS</b><br><br>See MPEP chapter 600 concerning utility patent application contents. | <b>ADDRESS TO:</b><br>MS Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
|---|---|

|  |   |
|--|---|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br/>(Submit an original, and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status.<br/>See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <b>46</b>]<br/>(preferred arrangement set forth below)<br/>- Descriptive title of the invention<br/>- Cross Reference to Related Applications<br/>- Statement Regarding Fed sponsored R &amp; D<br/>- Reference to sequence listing, a table,<br/>or a computer program listing appendix<br/>- Background of the Invention<br/>- Brief Summary of the Invention<br/>- Brief Description of the Drawings (if filed)<br/>- Detailed Description<br/>- Claim(s)<br/>- Abstract of the Disclosure</p> <p>4. <input type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>4</b>]</p> <p>5. Oath or Declaration [Total Sheets <b>4</b>]<br/>a. <input type="checkbox"/> Newly executed (original or copy)<br/>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/>(for continuation/divisional with Box 18 completed)<br/>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting<br/>inventor(s) named in the prior application,<br/>see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br/>Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission<br/>(if applicable, all necessary)<br/>a. <input checked="" type="checkbox"/> Computer Readable Form (CRF)<br/>b. Specification Sequence Listing on:<br/>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> Paper<br/>c. <input checked="" type="checkbox"/> Statements verifying identity of above copies</p> |
|--|---|

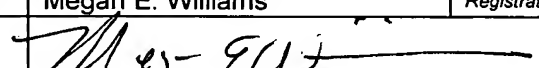
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: **09/719277**

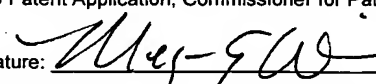
Prior application information: Examiner **D. Wortman** Art Unit: **1648**

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

|   |  |              |                |   |                |
|---|--|--------------|----------------|---|----------------|
| <b>19. CORRESPONDENCE ADDRESS</b>                                     |  |              |                |   |                |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label |  | <b>00959</b> |                | or <input checked="" type="checkbox"/> Correspondence address below |                |
| Name  | LAHIVE & COCKFIELD, LLP<br>Megan E. Williams |              |                |   |                |
| Address   | 28 State Street                              |              |                |   |                |
| City  | Boston                                       | State        | MA             | Zip Code  | 02109          |
| Country   | US   | Telephone    | (617) 227-7400 | Fax   | (617) 742-4214 |

|                   |   |                                   |               |
|-------------------|---|-----------------------------------|---------------|
| Name (Print/Type) | Megan E. Williams   | Registration No. (Attorney/Agent) | 43,270        |
| Signature         |  | Date                              | June 20, 2003 |

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EL 931 676 382 US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: June 20, 2003 Signature:  (Megan E. Williams, Ph.D.)

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003, Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 375.00

## Complete if Known

Application Number Not Yet Assigned  
Filing Date Concurrently Herewith  
First Named Inventor Andrea D. Branch  
Examiner Name D. Wortman  
Art Unit 1648  
Attorney Docket No. RII-003CPUSCN

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number

12-0080

Deposit Account Name

Lahive & Cockfield, LLP

The Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description        | Fee Paid   |
|--------------|--------------|----------|----------|------------------------|------------|
|              |              | 1001     | 750      | Utility filing fee     | 375.00     |
|              |              | 1002     | 330      | Design filing fee      |            |
|              |              | 1003     | 520      | Plant filing fee       |            |
|              |              | 1004     | 750      | Reissue filing fee     |            |
|              |              | 1005     | 160      | Provisional filing fee |            |
| SUBTOTAL (1) |              |          |          |                        | (\$ 375.00 |

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 19                 | -20** =      |                | 0.00     |
| 1                  | -3** =       |                | 0.00     |
| Multiple Dependent |              |                |          |

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description  |
|--------------|--------------|----------|----------|--|
|              |              | 1202     | 18       | Claims in excess of 20                                     |
|              |              | 1201     | 84       | Independent claims in excess of 3                          |
|              |              | 1203     | 280      | Multiple dependent claim, if not paid                      |
|              |              | 1204     | 84       | ** Reissue independent claims over original patent         |
|              |              | 1205     | 18       | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|--------------|--------------|----------|----------|--|----------|
| 1051         | 130          | 2051     | 65       | Surcharge - late filing fee or oath  |          |
| 1052         | 50           | 2052     | 25       | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 1053         | 130          | 1053     | 130      | Non-English specification  |          |
| 1812         | 2,520        | 1812     | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804         | 920*         | 1804     | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805         | 1,840*       | 1805     | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251         | 110          | 2251     | 55       | Extension for reply within first month                                     |          |
| 1252         | 410          | 2252     | 205      | Extension for reply within second month                                    |          |
| 1253         | 930          | 2253     | 465      | Extension for reply within third month                                     |          |
| 1254         | 1,450        | 2254     | 725      | Extension for reply within fourth month                                    |          |
| 1255         | 1,970        | 2255     | 985      | Extension for reply within fifth month                                     |          |
| 1401         | 320          | 2401     | 160      | Notice of Appeal   |          |
| 1402         | 320          | 2402     | 160      | Filing a brief in support of an appeal                                     |          |
| 1403         | 280          | 2403     | 140      | Request for oral hearing   |          |
| 1451         | 1,510        | 1451     | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452         | 110          | 2452     | 55       | Petition to revive - unavoidable   |          |
| 1453         | 1,300        | 2453     | 650      | Petition to revive - unintentional   |          |
| 1501         | 1,300        | 2501     | 650      | Utility issue fee (or reissue)   |          |
| 1502         | 470          | 2502     | 235      | Design issue fee   |          |
| 1503         | 630          | 2503     | 315      | Plant issue fee  |          |
| 1460         | 130          | 1460     | 130      | Petitions to the Commissioner  |          |
| 1807         | 50           | 1807     | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806         | 180          | 1806     | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021         | 40           | 8021     | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809         | 750          | 2809     | 375      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810         | 750          | 2810     | 375      | For each additional invention to be examined (37CFR 1.129(b))              |          |
| 1801         | 750          | 2801     | 375      | Request for Continued Examination (RCE)                                    |          |
| 1802         | 900          | 1802     | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00

## SUBMITTED BY

Name (Print/Type) Megan E. Williams

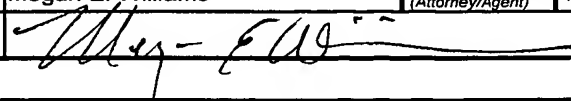
Registration No. (Attorney/Agent)

43,270

## Complete (if applicable)

Telephone (617) 227-7400

Signature



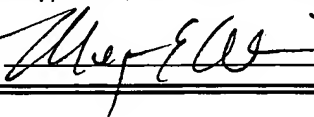
Date

June 20, 2003

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Dated: June 20, 2003

Signature:



(Megan E. Williams, Ph.D.)